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DPS 4956
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15 October 1958

MEMORANDUM FOR: Special Assistant to the Director
for Planning and Development

THROUGH: Director of Operations, DPS

SUBJECT: Dual Oxygen System

REFERENCE: DPS 4873

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1. Lockheed's authority to develop a prototype dual oxygen system originated at a headquarters meeting on 14 August 1958. [] 1726 and [] 1727 grant permit for this singular development.

2. Present status: A study to determine system freezing vulnerability has been completed. Lockheed report SP-103 contains procedures and results. In addition, a dual oxygen system has been devised to provide alternate flow paths for system components judged contributory to the FOG July fatalities. The Project is financing this project under contract SP-1918. FOG has expressed enthusiasm in this effort and a pro-rata cost sharing may be negotiated providing an acceptable and product results.

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3. [] has been informed regarding the Project's testing requirement. The dual system is to be ground and chamber tested followed by several low altitude flights prior to clearance for high altitude in [] #360. Periodic status reports and consultation queries will be forwarded by Lockheed. These will receive widest Project dissemination.

4. Authorization for major modification will be reserved for your office. Statements from Operations, Materiel and Contracting will accompany recommendations.

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RJT:bm

- 1 - Addressee
- 2 - D/Ops, DPS
- 3- Dep Dir, DPS
- 4- Contracting Officer, DPS
- 5- Ops chron
- 6- RI

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